

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-005750**Date Inspected:** 17-Mar-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1830**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 630**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Chen Likun & Li Ming**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Assembly, Tower**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector Joe Alaniz was present during the times noted above for observations relative to the work being performed.

This QA Inspector performed Ultrasonic Testing (UT) on approximately 15% of CJP on the OBG welds previously accepted by ZPMC ultrasonic technicians in accordance with AWS D1.5-2002, section 6, table 6.3. The QA Inspector observed no rejectable indications at the time of testing. The QA Inspector generated a TL-6027 UT report on this date. Welds UT verified were identified as listed below

Bay 2

CA105:	CA105:	CA106:	CA106:	CA107:	CA107:
015 and 020	029 and 034	015 and 020	029 and 034	015 and 020	029 and 034

CA108:	CA105:	SSD34-PP08.5:	SSD34-PP09.5:
015 and 020	029 and 034	129	129

Bay 6

WSD1-DPA3-14:
4A/B and 5A/B

WELDING INSPECTION REPORT

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This QA Inspector performed Magnetic Particle Testing (MT) of approximately 25% of the area previously tested by ZPMC MT personnel. This QA Inspector generated a TL-6028 MT report on this date. The weld designation numbers is as follows:

Bay 11

WSD1-SA388A/D: 29A/B, 28A/B and 27A/B	WSD1-SA388A/D: 31-36	WSD1-SA388A/D: 45 and 46	SSD34 PP09.5: 129
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This QA Inspector observed the following work in progress:

Bay 11

This QA Inspector observed the following work in progress:

ZPMC's qualified welding personnel are identified as Mr. Li Haidong (047701), Mr. Liu Jin (202821), Xu Hue (049220) and Zhang Binglua (053316) performing FCAW welding on weld joint identified as SDI-A23A/B-28, 24, 9 and 10. ZPMC QC identified Mr. An Qing Liang was present to monitor the welding process. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-7-2332-TC-P5-F.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents

Summary of Conversations:

Only general conversation was held between QA and QC concerning this project.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang (134-8257-0045), who represents the Office of Structural Materials for your project.

Inspected By:	Alaniz,Joe	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
